

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-144944

(43)Date of publication of application : 04.06.1996

(51)Int.Cl.

F04B 27/08

F04B 39/00

(21)Application number : 06-285291

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(22)Date of filing :

18.11.1994

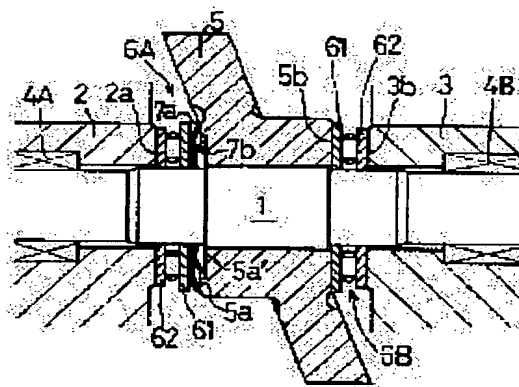
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## (54) DOUBLE HEAD CAM PLATE TYPE COMPRESSOR

## (57)Abstract:

PURPOSE: To pertinently keep the reduction of consumption power compatible with the restraint of a vibration by superposing two elastic members between a thrust bearing and a pressure bearing seat formed on the boss of a cam plate for incremental collision with the thrust bearing.

CONSTITUTION: The first disc spring 7a is laid between a pressure bearing seat 5a and a front thrust bearing 6A. In addition, the second disc spring 7b is laid between a pressure bearing seat 5a' and the bearing 6A, so as to keep a standby state via the required gap and collide with the bearing 6A, depending on a load. In this case, the spring constant of the first disc spring 7a is set to match a low-pressure operation and consequently the support rigidity of a cam plate 5 also becomes very low, thereby keeping consumption power at a sufficiently low value. At the time of a high-pressure operation with delivery pressure raised for some unknown factor, the resultant elastic reaction force of both of the springs 7a and 7b reasonably increases the support rigidity of the cam plate 5. According to this construction, the vibration and noise of the cam plate 5 can be pertinently restrained.



## LEGAL STATUS

[Date of request for examination] 15.05.1998  
 [Date of sending the examiner's decision  
 of rejection]  
 [Kind of final disposal of application  
 other than the examiner's decision of  
 rejection or application converted  
 registration]  
 [Date of final disposal for application]  
 [Patent number] 2937040  
 [Date of registration] 11.06.1999  
 [Number of appeal against examiner's  
 decision of rejection]  
 [Date of requesting appeal against  
 examiner's decision of rejection]  
 [Date of extinction of right] 11.06.2002

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